

## ABSTRACT OF THE DISCLOSURE

A rack-and-pinion steering apparatus comprises pinion teeth  
5 formed according to proper tooth specifications in other aspects  
under a larger pressure angle, thereby stably offering smooth and  
comfortable steering feeling over a long time. The module (m),  
number of teeth (z), tooth depth(h) and helix angle ( $\beta$ ) of the pinion  
teeth (4) are set within the following ranges, under a pressure angle  
10 ( $\alpha$ ) set within a range of  $24^\circ$  to  $30^\circ$  and a given stroke ratio.

module (m): 1.8 to 2.0  
number of teeth (z): 7 to 13  
tooth depth (h):  $2m$  to  $2.5m$   
helix angle ( $\beta$ ):  $35^\circ$  or smaller